

**NCSU REVISED FY2005 APHIS FORM 7023    SUBMITTED JULY 12, 2006**  
**FY2005 APHIS FORM 7023 Submission**

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. See below for additional information. Interagency Report Control No 0180-DOA-AN

<p align="center">UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE</p> <p align="center"><b>ANNUAL REPORT OF RESEARCH FACILITY</b> (TYPE OR PRINT)</p>	<p><b>1. Registration No:</b> 55-R-0005 / 842</p> <p><b>2. Headquarters Research Facility</b> (Name and Address, as registered with USDA, include Zip Code): NORTH CAROLINA STATE UNIVERSITY CAMPUS BOX 7514 RALEIGH, NC 27695-7514 T (b)(6), (b)(7)(c)</p>	<p align="center">FORM APPROVED OMB NO. 0579-0036</p>
<p><b>3. Reporting Facility</b> (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Please verify that all Sites are listed below. To list additional Sites, select the link below.)</p>		
<p align="center"><b>FACILITY LOCATIONS (sites) <u>List Additional Sites</u></b></p>		
<p>3a. (b)(2)High, (b)(7)(F)</p>	<p>3b.</p>	
<p>3c.</p>	<p>3d.</p>	

Additional Sites:

Site A  
Site A  
Site A  
Site B  
Site B  
Site B  
Site C  
Site C  
Site C  
Site D  
Site D  
Site D  
Site E  
Site E  
Site E

(b)(2)High, (b)(7)(F)

**REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY** [View Column Definitions](#)

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
4. Dogs	23	28	116	0	144
5. Cats	0	0	125	0	125
6. Guinea Pigs	0	0	19	0	19
7. Hamsters	0	0	19	0	19
8. Rabbits	0	0	82	0	82
9. Non-Human Primates	0	0	0	0	0
10. Sheep	0	60	12	0	72
11. Pigs	286	640	429	118	1187

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**REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY** [View Column Definitions](#)

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
12. Other Farm Animals Horses	1	40	45	0	85
12. Other Farm Animals Cattle	0	75	8	0	83
12. Other Farm Animals Goats	0	55	35	0	90
12. Other Farm Animals Llamas	0	6	0	0	6
13. Other Animals Red Wolves	0	0	17	0	17
13. Other Animals Pallas Cats	0	0	7	0	7
13. Other Animals Woodchucks	0	0	0	20	20
13. Other Animals Tree Shrews	0	0	16	8	24
13. Other Animals Ferrets	0	0	12	0	12
13. Other Animals Gerbils	0	0	17	0	17

**NCSU REVISED FY2005 APHIS FORM 7023      SUBMITTED JULY 12, 2006**

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**REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY** [View Column Definitions](#)

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
13. Other Animals Pine Voles	0	413	0	0	413
13. Other Animals Cotton Rats	0	33	0	0	33
13. Other Animals Wolf Hybrid	0	14	0	0	14
13. Other Animals Coyote	0	10	11	0	21
13. Other Animals Gray Fox	0	58	0	0	58
13. Other Animals Red Fox	0	7	0	0	7

**PIGS - 118**

Explain the procedure producing pain and/or distress.

REDACTED PENDING CONSULTATION WITH SUBMITTER



Explain the procedure producing pain and/or distress.

REDACTED PENDING CONSULTATION WITH SUBMITTER

**TREE SHREWS – 8**

Explain the procedure producing pain and/or distress.

REDACTED PENDING CONSULTATION WITH SUBMITTER

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

## ANNUAL REPORT OF RESEARCH FACILITY

<b>Registration No:</b>	55-R-0005 / 842
<b>Headquarters Research Facility:</b>	NORTH CAROLINA STATE UNIVERSITY CAMPUS BOX 7514 RALEIGH, NC 27695-7514 T: (b)(6), (b)(7)(C)

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). **A summary of all the exceptions is attached to this annual report.** In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL  
(Chief Executive Officer or Legally Responsible Institutional official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

<b>Signature of C.E.O. or Institutional Official</b> (b)(6), (b)(7)(c)	<b>Name &amp; Title of C.E.O. or Institutional Official</b> (b)(6), (b)(7)(c)	<b>Date Signed:</b> 7/12/2006
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EXCEPTIONS TO STANDARDS (see attached document to this same e-mail)

This is filed as a separate attachment since the current electronic filing version of the USDA report does not have a provision for filing these Exceptions to Standards electronically. The report is sent as an addendum via an e-mail attachment to Mr. Joseph Nelson at the USDA APHIS Animal Care Eastern Region ([joseph.a.nelson@aphis.usda.gov](mailto:joseph.a.nelson@aphis.usda.gov)).

**NCSU REVISED FY2005 APHIS FORM 7023 SUBMITTED JULY 12, 2006  
AMENDMENT TO THE ADDENDUM FOR THE FY2005 APHIS FORM 7023 SUBMISSION FOR  
NORTH CAROLINA STATE UNIVERSITY USDA REGISTRATION # 55-R-0005 / 842**

**EXCEPTIONS TO STANDARDS REPORT FOR THE REPORTING PERIOD OF  
OCTOBER 1, 2004 THROUGH SEPTEMBER 30, 2005**

**Protocol #6**

REDACTED PENDING CONSULTATION WITH SUBMITTER

CUSTOMER NO.  
842

FORM APPROVED  
OMB NO. 0579-0036

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

NORTH CAROLINA STATE UNIVERSITY  
CAMPUS BOX 7514  
RALEIGH, NC 27695-7514

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

### FACILITY LOCATIONS(sites)

(b)(2)High, (b)(7)(F)

### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	23	28	111		139
5. Cats			125		125
6. Guinea Pigs			19		19
7. Hamsters			19		19
8. Rabbits			82		82
9. Non-Human Primates					
10. Sheep			12		12
11. Pigs	286	80	429	118	627
12. Other Farm Animals					
Horses	1	8	45		53
13. Other Animals					
Red Wolves			17		17
Pallas Cats			7		7
Woodchucks				20	20

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
(b)(6), (b)(7)(c)	(b)(6), (b)(7)(c)	11/28/2005



Interagency Report Control No  
0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.  
55-R-0005

CUSTOMER NO.  
842

FORM APPROVED  
OMB NO. 0579-0036

**CONTINUATION SHEET FOR ANNUAL REPORT  
OF RESEARCH FACILITY**  
(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

NORTH CAROLINA STATE UNIVERSITY  
CAMPUS BOX 7514  
RALEIGH, NC 27695-7514

## REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use this form.)

[illegible]

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). **A summary of all the exceptions is attached to this annual report.** In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

**CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL**  
(Chief Executive Officer or Legally Responsible Institutional official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME &amp; TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED \_\_\_\_\_

(b)(6), (b)(7)(c)

(b)(6), (b)(7)(c)

11/28/2005



## APHIS Form 7023 Column E Explanation

This form is intended as an aid to completing the APHIS Form 7023 Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

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1. Registration Number: 55-R-0005

2/3. Species (common name) & Number of animals used in this study:

Tree Shrews (8)

4. Explain the procedure producing pain and/or distress.

REDACTED PENDING CONSULTATION WITH SUBMITTER

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)

REDACTED PENDING CONSULTATION WITH SUBMITTER

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

Agency:

CFR:

## APHIS Form 7023 Column E Explanation

This form is intended as an aid to completing the APHIS Form 7023 Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

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1. Registration Number: 55-R-0005

2/3. Species (common name) & Number of animals used in this study:

Woodchucks (20)

4. Explain the procedure producing pain and/or distress.

REDACTED PENDING CONSULTATION WITH SUBMITTER

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)

REDACTED PENDING CONSULTATION WITH SUBMITTER

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

Agency:

CFR:

### APHIS Form 7023 Column E Explanation

This form is intended as an aid to completing the APHIS Form 7023 Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

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1. Registration Number: 55-R-0005

2/3. Species (common name) & Number of animals used in this study:

Pigs (118)

4. Explain the procedure producing pain and/or distress.

REDACTED PENDING CONSULTATION WITH SUBMITTER

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)

REDACTED PENDING CONSULTATION WITH SUBMITTER

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

Agency:

CFR:

# APHIS Form 7023 Additional Reported Sites

The following additional sites have been reported by the facility. The reported sites have not been verified by APHIS and have been provided by the facility solely for completeness of the APHIS Form 7023 Annual Reporting submission.

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Registration Number: 55-R-0005  
Customer Number: 842  
Facility: NORTH CAROLINA STATE UNIVERSITY  
CAMPUS BOX 7514  
RALEIGH, NC 27695-7514

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(b)(2)High, (b)(7)f